Name:

ml1112paper: Solve by factoring (v8)

1. Solve the equation
$$x^2 - 14x + 49 = 0$$

2. Solve the equation
$$x^2 + 9x + 18 = 0$$

3. Solve the equation
$$8x^2 - 4x - 69 = 7x^2 - 2x - 6$$

4. Solve the equation
$$6x^2 + 16x + 22 = 5x^2 + 6x - 3$$

5. Solve the equation
$$5x^2 + 3x - 14 = 0$$

6. Solve the equation
$$3x^2 + 25x - 18 = 0$$

7. Solve the equation
$$11x^2 + 30x + 21 \;=\; 4x^2 - 2x + 5$$

8. Solve the equation
$$6x^2 + 15x - 9 \;=\; x^2 - 3x - 1$$